

October 5, 2005

Mr. Robert Lerner
Rite Aid Corporation
30 Hunter Lane
Camp Hill, Pennsylvania 17011

RE:

July 2005 Quarterly Ground Water Monitoring Results

Rite Aid Store No. 6033 680 South State Street

City of Ukiah, Mendocino County, California

BL Project No. 98L152-B

Dear Mr. Lerner:

Pursuant to the scope of work outlined in our Proposal No. 98L152-B, dated December 5, 2003, BL Companies has completed the seventh round of quarterly ground water sampling at the above-referenced site. The purpose of the sampling program is to continue to document the identified ground water impairment, as directed by the California Regional Water Quality Control Board (CRWQCB) in correspondence dated November 19, 2003.

Background

During a Phase I Environmental Site Assessment (ESA) (January 9, 1998) and a Preliminary Site Characterization (February 6, 1998), both conducted by BL Companies, two suspected underground storage tanks (USTs) were identified near the western property boundary. The site formerly contained at least four aboveground storage tanks (ASTs) as part of the former operation of a bulk petroleum facility and a service station on the site. The results of a geophysical investigation and an American Land Title Association survey indicated that the two suspected USTs are located on property owned by the City of Ukiah. In addition, soil and ground water samples collected from 17 soil borings revealed that the site has been adversely impacted by petroleum hydrocarbons in the form of both gasoline- and diesel-related constituents. As a result of the initial investigations, an Unauthorized Release Form was submitted to the Mendocino County Health Department and the CRWQCB.

BL Companies then conducted a Site Characterization (November 1, 2002) to confirm and determine the extent of petroleum hydrocarbon impairment at the site. The Site Characterization included the installation of 12 soil borings and four on-site monitoring wells (MW-1, MW-2, MW-3, and MW-4). The results of the ground water investigation



indicated that targeted petroleum hydrocarbon compounds were present in ground water samples collected from three of the four on-site monitoring wells. Upon completion and submission of the Site Characterization Report to the CRWQCB, they then requested additional information regarding the locations of property boundaries and the USTs from both the City of Ukiah and Atlantic Richfield Corporation (ARCO), who had previously operated a bulk petroleum facility and a service station on the site. While this issue of ownership of the USTs and any related remediation measures are still being resolved, the CRWQCB requested that the ground water monitoring program on the Rite Aid property proceed independently of the suspect UST issue.

At the request of the CRWQCB, BL Companies directed exploratory excavation in the vicinity of the referenced geophysical anomalies in an effort to determine whether any USTs were present on the Rite Aid property. Since the suspected USTs were believed to be located on the property owned by the City of Ukiah, BL Companies made several attempts to contact representatives of the City Engineer's Office in advance of the exploratory excavation in an effort to work collaboratively on the UST investigation. The efforts to communicate with the City Engineer's Office and to obtain access to the City's property were unsuccessful. Therefore, BL Companies mobilized to the site on July 20, 2005 to direct exploratory excavation in the vicinity of the suspected USTs, but limited to the Rite Aid property (i.e., excavation adjacent to property boundary). The end of an approximately 4-foot diameter, steel UST was encountered in one of the test pits excavated on the Rite Aid site. Based on the orientation of the end of the UST and the approximate location of the property boundary, it appeared that approximately 2 feet of the UST was on the Rite Aid property and the remainder was on the City property. The Director of Public Works and City Engineer for the City of Ukiah, Ms. Diana Steel, PE, and the Deputy Director of Public Works, Mr. Richard Seanor, PE, visited the site on July 20, 2005 to observe the work in progress and the partially exposed UST. Ms. Steele agreed that the UST identified was mostly located on City property. Furthermore, Ms. Steele authorized BL Companies to proceed with the excavation of the identified UST on City property and remove it as well as any other USTs encountered in the southeastern entrance to the Rite Aid site. The exploratory excavation identified three USTs located on the property owned by the City of Ukiah in the southeastern entrance to the site. All of the USTs were removed on July 20 and 21, 2005. A separate report documenting the investigative methods and findings of the exploratory excavation and UST removal was submitted to the CRWQCB on September 23, 2005.

Field Activities

The seventh quarterly ground water monitoring event was conducted on July 21, 2005. Ground water samples were collected from the four on-site ground water monitoring



wells using the following protocol:

Prior to sample collection, the static water level in each of the monitoring wells was measured. By subtracting the depth to ground water in each well from the surveyed elevations, a detailed map of the shallow ground water potentiometric surface was prepared (see Attachment 1, Ground Water Potentiometric Surface Map and Attachment 3, Table 1). Based on the potentiometric surface data, the ground water flow direction beneath the site is to the southeast, which is generally consistent with previous determinations.

A minimum of three well volumes of water was purged from the wells using new polyethylene hose and a pre-cleaned submersible pump. During well purging, the temperature, pH, dissolved oxygen, specific conductivity, and oxidation-reduction potential of the ground water were monitored to ensure that representative samples were collected. The purged ground water was collected in 55-gallon drums for later off-site disposal. After purging each well, ground water samples were collected with single-use polyethylene bailers and placed into pre-cleaned glass and plastic sample containers fitted with Teflon-lined lids, preserved with the appropriate reagent, and stored at 4 degrees Centigrade (or less) until delivery to Alpha Analytical Laboratories Inc. of Ukiah, California.

Chemical Analyses

Please find enclosed as Attachment 2 the analytical results for the ground water samples collected on July 21, 2005 from the on-site monitoring wells. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline; TPH as diesel; and benzene, toluene, ethylbenzene, and xylenes. Following BL Companies' request on July 6, 2004 to eliminate the analysis of semi-volatile organic compounds, Ms. Colleen Stone of the CRWQCB officially concurred with this request in a letter dated July 9, 2004. In addition, the CRWQCB recommended that analysis of the five fuel oxygenates, including methyl tertiary-butyl ether, also be removed from the quarterly monitoring activities, as none of these compounds have been detected in any of the samples collected since the initiation of ground water monitoring activities.

<u>Findings</u>

The results of the laboratory analyses (see Attachment 4, Tables 2 and 3) were compared to the previous analytical results obtained during the previous site characterization and quarterly sampling events. Table 2 only includes those compounds formerly and/or currently detected in at least one sample. The results of



the chemical analysis reported no target compounds above laboratory detection limits in MW-1, which is the most hydraulically upgradient monitoring well on the site. No individual gasoline-related VOCs were identified above laboratory detection limits in MW-4 during the seventh round of quarterly sampling. However, TPH-gasoline and TPH-diesel were detected in the ground water sample collected from MW-4 at concentrations of 120 μ g/l in both samples.

The ground water samples collected from the remaining two monitoring wells (MW-2 and MW-3) each contained four detectable target compounds (benzene, toluene, ethylbenzene and xylenes), along with reported concentrations of TPH-gasoline and TPH-diesel, during the seventh round of quarterly sampling. Monitoring well MW-2 was reported with elevated concentrations of benzene at 120 μ g/l, toluene at 8.4 μ g/l, ethylbenzene at 39 μ g/l, and xylenes at 17 μ g/l. In addition, MW-2 also reported concentrations of TPH-gasoline (1,200 μ g/l) and TPH-diesel (95 μ g/l). Monitoring well MW-3 was reported with elevated concentrations of four target compounds, including benzene at 14 μ g/l, toluene at 0.47 μ g/l, ethylbenzene at 26 μ g/l, and xylenes at 12 μ g/l. In addition, MW-3 also reported concentrations of TPH-gasoline (1,400 μ g/l) and TPH-diesel (99 μ g/l).

Conclusions

In summary, the results of the current sampling round continue to indicate that the site remains impacted by petroleum compounds. In general, the target compound concentrations detected during the current sampling event are relatively consistent with the results from the prior sampling events.

BL Companies has recommended that the CRWQCB contact ARCO regarding their responsibility to address the documented soil and ground water impact on the site and to assess the potential off-site migration of the contamination. Further, BL Companies requested that the CRWQCB relieve Rite Aid of the requirements for additional off-site characterization tasks and any subsequent soil or ground water remediation related to the former gasoline USTs. BL Companies recommends that a copy of this report be submitted to the CRWQCB case manager, Ms. Kasey Ashley.

BL Companies appreciates the opportunity to continue to provide environmental services to you. Should you have any questions regarding the above, please contact the undersigned at your convenience.



Respectfully submitted,

BL Companies

Kenneth: M. Yoder, PG Senior Project Manager

Reviewed by:

Christina Kennedy CKG Environmental, Inc. CA Geologist No. 5077

Attachments

ATTACHMENTS

Attachment 1 Ground Water Potentiometric Surface

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Attachment 2 Alpha Analytical Laboratories Report

Attachment 3 Table 1 – Summary of Monitoring Well

Construction and Elevation Data

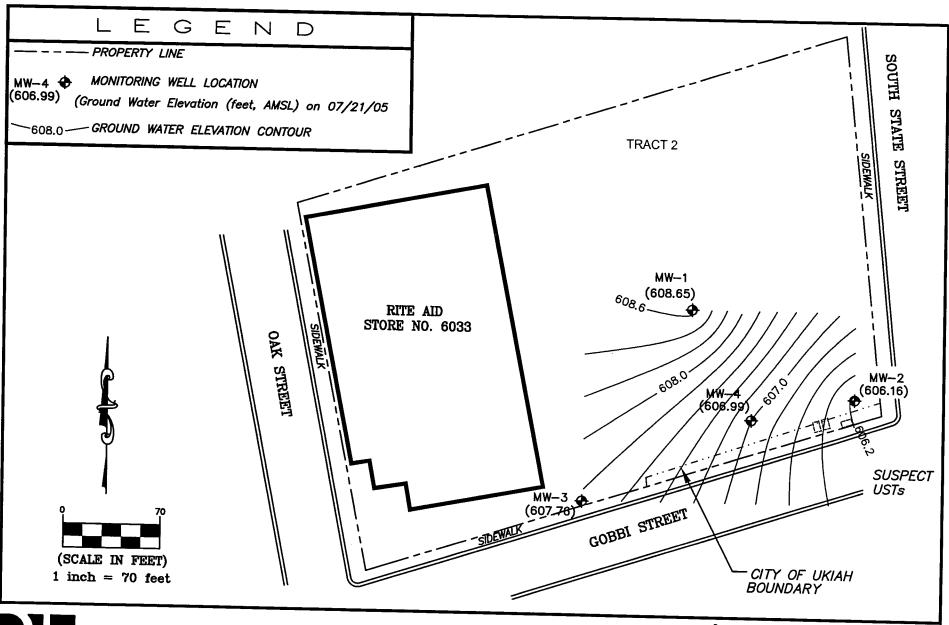
Attachment 4 Tables 2 and 3 – Results of Chemical

Analyses Performed on Ground Water

Samples

ATTACHMENT 1

Ground Water Potentiometric Surface Map





GROUND WATER POTENTIOMETRIC SURFACE MAP - 07/21/2005

RITE AID STORE NO. 6033 680 SOUTH STATE STREET CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

Drawn	S.R.L.
Approved	K.M.Y.
Scale	1" = 70'
Project No.	98L152-B
Date	09/16/05
CAD File 98L152-B.GW	Elev.07-21-2005

ATTACHMENT 2 Alpha Analytical Laboratories Report

208 Mason St. Ukiah, California 95482

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

04 August 2005

BL Companies

Attn: Ken Yoder

830 Sir Thomas Court

Harrisburg, PA 17109

RE: Rite Aid

Work Order: A507490

Enclosed are the results of analyses for samples received by the laboratory on 07/21/05 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melanie M. Wright For Sheri L. Speaks

Project Manager

208 Mason St. Ukiah, California 95482

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Page 1 of 9

BL Companies

830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number A507490

Receipt Date/Time 07/21/2005 10:30 Client Code BLCOMP

Client PO/Reference

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A507490-01	Water	07/21/05 09:35	07/21/05 10:30
MW-2	A507490-02	Water	07/21/05 09:50	07/21/05 10:30
MW-3	A507490-03	Water	07/21/05 10:05	07/21/05 10:30
MW-4	A507490-04	Water	07/21/05 10:15	07/21/05 10:30

Melanielbright

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CHEMICAL EXAMINATION REPORT

Page 2 of 9

BL Companies 830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number A507490

Receipt Date/Time 07/21/2005 10:30 Client Code **BLCOMP**

Client PO/Reference

		Alpha A	Analytica	l Laborato	ries, Inc.				
	METHOD		-	O ANALYZED	•			PQL	NOTE
MW-1 (A507490-01)			Sample Ty	pe: Water		Sampled: 07/21/05 09)-35		
TPH by EPA/LUFT GC/GCMS Meth	hods					54mpied: 07/21/05 05			
TPH as Diesel	8015DRO	AG52604	07/26/05	07/26/05	1	ND ug/l		50	
TPH as Gasoline	8260GRO	AH50104	07/29/05	07/30/05	"	ND "		50	
Surrogate: Tetratetracontane	8015DRO	AG52604	07/26/05	07/26/05	·	98.2 %	20-152		
Surrogate: Toluene-d8	8260GRO	AH50104	07/29/05	07/30/05		89.2 %	86-141		
Volatile Organic Compounds by EPA	Method 8260B								
Benzene	EPA 8260B	AH50119	n	07/30/05	1	ND ug/l		0.30	
Toluene	n	н	Ħ	н	,,	ND "		0.30	
Ethylbenzene	11	ni	n		11	ND "		0.50	
Xylenes (total)	n	11	n	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	n	"	"	"		148 %	78-138		S-G
Surrogate: Dibromofluoromethane	"	"	"	"		70.8 %	71-136		S-G S-G
Surrogate: Toluene-d8	"	"	"	"		89.2 %	88-139		D-C
MW-2 (A507490-02)		1	Sample Ty	pe: Water	:	Sampled: 07/21/05 09	:50		
TPH by EPA/LUFT GC/GCMS Meth	ods					,	•••		
TPH as Diesel	8015DRO	AG52604	07/26/05	07/27/05	0.9302	95 ug/l		47	D-0
TPH as Gasoline	8260GRO	AH50308	07/29/05	08/02/05	5	1200 "		250	D-0
Surrogate: Tetratetracontane	8015DRO	AG52604	07/26/05	07/27/05		103 %	20-152		
Surrogate: Toluene-d8	8260GRO	AH50308	07/29/05	08/02/05		126 %	86-141		
Volatile Organic Compounds by EPA	Method 8260B								
Benzene	EPA 8260B	AH50310	08/01/05	08/02/05	5	120 ug/l		1.5	
Toluene		11	11	H .	11	8.4 "		1.5	
Ethylbenzene	n	19	II .	10	n	39 "		2.5	
Xylenes (total)	H	"	н	н	**	17 "		2.5	
Surrogate: Bromofluorobenzene	"	"	"	"		138 %	78-138		
Surrogate: Dibromofluoromethane	"	"	"	"		108 %	71-136		
Surrogate: Toluene-d8	n	"	"	"		126 %	88-139		
MW-3 (A507490-03)		S	Sample Typ	e: Water	S	Sampled: 07/21/05 10:	05		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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CHEMICAL EXAMINATION REPORT

Page 3 of 9

BL Companies 830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number A507490

Receipt Date/Time 07/21/2005 10:30

Client Code **BLCOMP**

Client PO/Reference

•		Alpha A	Analytica	l Laborato	ries, Inc.				
	METHOD	BATCH	PREPAREI	D ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-3 (A507490-03)			Sample Ty	pe: Water	S	ampled: 07/21/05	10.05		
TPH by EPA/LUFT GC/GCMS Meth	ods			F		ampica. 07/21/03	10.05		
TPH as Diesel	8015DRO	AG52604	07/26/05	07/27/05	0.9302	99 ug/l		47	D-0
TPH as Gasoline	8260GRO	AH50308	08/01/05	08/02/05	10	1400 "		500	D-0
Surrogate: Tetratetracontane	8015DRO	AG52604	07/26/05	07/27/05		92.7 %	20-152		-
Surrogate: Toluene-d8	8260GRO	AH50308	08/01/05	08/02/05		125 %	86-141		
Volatile Organic Compounds by EPA	Method 8260B								
Benzene	EPA 8260B	AH50119	07/29/05	07/30/05	1	14 ug/t		0.30	
Toluene	n	11	n	"	11	0.47 "		0.30	
Ethylbenzene	11	**	n	н	•	26 "		0.50	
Xylenes (total)	19	n	н	н	н	12 "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		127 %	78-138		
Surrogate: Dibromofluoromethane	"	"	"	**		59.2 %	70-136 71-136		S-GC
Surrogate: Toluene-d8	"	"	"	"		87.6 %	88-139		S-GC
MW-4 (A507490-04)		;	Sample Ty	pe: Water	Sa	mpled: 07/21/05 1	0.15		
TPH by EPA/LUFT GC/GCMS Metho	ods			-					
TPH as Diesel	8015DRO	AG52604	07/26/05	07/27/05	0.9302	120 ug/i		47	
TPH as Gasoline	8260GRO	AH50104	07/29/05	07/30/05	1	120 "		50	
Surrogate: Tetratetracontane	8015DRO	AG52604	07/26/05	07/27/05		102 %	20-152		
Surrogate: Toluene-d8	8260GRO	AH50104	07/29/05	07/30/05		86.0 %	86-141		
Volatile Organic Compounds by EPA	Method 8260B								
Benzene	EPA 8260B	AH50119	n	07/30/05	1	ND ug/i		0.30	
Toluene	Ħ	II	11	"	Ħ	ND "		0.30	
Ethylbenzene	11	Ħ	н	II.	"	ND "		0.50	
Xylenes (total)	и	11	11	**	**	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		134 %	78-138		
Surrogate: Dibromofluoromethane	"	"	"	"		66.4 %	70-136 71-136		S-GC
Surrogate: Toluene-d8	"	"	"	"		86.0 %	88-139		S-GC

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BL Companies 830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Source

%REC

Project No: 98L152 Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Spike

Client PO/Reference

RPD

A507490

07/21/2005 10:30

BLCOMP

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Result	PQL	Units	Level	Result	%REC	Limits	RPD	Limit	Flag
er									
			Prepared	& Analyze	ed: 07/26/	05			
ND	50	ug/l	^						-
9.60		11	11.0		87.3	20-152			
	Prepared & Analyzed: 07/26/05								
1400	50	ug/l	2000		70.0	52-136			
9.90		"	11.0		90.0	20-152			
			Prepared	& Analyze	d: 07/26/0)5			
1450	50	ug/l	2000		72.5	52-136	3.51	25	
11.5		,,	11.0		105	20-152			
GCMS									
			Prepared a	& Analyze	d: 07/29/0)5			
ND	50	ug/l							
22.0		"	25.0	- -	88.0	86-141			
			Prepared:	07/29/05	Analyzed	07/30/05			
194	50	ug/l	200		97.0	75-126			
22.2	14.	n	25.0		88.8	86-141			
			Prepared:	07/29/05	Analyzed:	07/30/05			
189	50	ug/l	200		94.5	75-126	2.61	20	
21.7		"	25.0	· · · · · · · · · · · · · · · · · · ·	86.8	86-141			
Sour	ce: A5074	190-01	Prepared:	07/29/05	Analyzed:	07/30/05			
221	50	ug/l	200	ND	106	32-166			
	ND 9.60 1400 9.90 1450 11.5 GCMS ND 22.0 194 22.2 189 21.7 Sour	ND 50 9.60 1400 50 9.90 1450 50 11.5 GCMS ND 50 22.0 194 50 22.2 189 50 21.7 Source: A5074	ND 50 ug/l 9.60 " 1400 50 ug/l 9.90 " 1450 50 ug/l 11.5 " GCMS ND 50 ug/l 22.0 " 194 50 ug/l 22.2 " 189 50 ug/l 21.7 " Source: A507490-01	Result PQL Units Level	Result PQL Units Level Result	Prepared & Analyzed: 07/26/ ND 50 ug/l 9.60 " 11.0 87.3 Prepared & Analyzed: 07/26/ 1400 50 ug/l 2000 70.0 9.90 " 11.0 90.0 Prepared & Analyzed: 07/26/ 1450 50 ug/l 2000 72.5 11.5 " 11.0 105 GCMS Prepared & Analyzed: 07/29/0 ND 50 ug/l 2000 72.5 11.5 " 11.0 105 GCMS Prepared & Analyzed: 07/29/0 ND 50 ug/l 2000 97.0 22.0 " 25.0 88.0 Prepared: 07/29/05 Analyzed: 194 50 ug/l 200 97.0 22.2 " 25.0 88.8 Prepared: 07/29/05 Analyzed: 189 50 ug/l 200 94.5 21.7 " 25.0 86.8 Source: A507490-01 Prepared: 07/29/05 Analyzed:	Prepared & Analyzed: 07/26/05 ND 50 ug/l 9.60 " 11.0 87.3 20-152 Prepared & Analyzed: 07/26/05 1400 50 ug/l 2000 70.0 52-136 9.90 " 11.0 90.0 20-152 Prepared & Analyzed: 07/26/05 1450 50 ug/l 2000 72.5 52-136 11.5 " 11.0 105 20-152 GCMS Prepared & Analyzed: 07/26/05 ND 50 ug/l 2000 72.5 52-136 11.5 " 11.0 105 20-152 GCMS Prepared & Analyzed: 07/29/05 ND 50 ug/l 2000 72.5 52-136 11.5 " 11.0 105 20-152 Prepared & Analyzed: 07/29/05 ND 50 ug/l 200 88.0 86-141 Prepared: 07/29/05 Analyzed: 07/30/05 194 50 ug/l 200 97.0 75-126 22.2 " 25.0 88.8 86-141 Prepared: 07/29/05 Analyzed: 07/30/05 189 50 ug/l 200 94.5 75-126 21.7 " 25.0 86.8 86-141 Source: A507490-01 Prepared: 07/29/05 Analyzed: 07/30/05	Prepared & Analyzed: 07/26/05 ND 50 ug/l 2000 70.0 52-136 3.51	Post

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Melanie M. Wright For Sheri L. Speaks Project Manager

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CHEMICAL EXAMINATION REPORT

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Report Date: 08/04/05 10:06

Project No: 98L152

Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Client PO/Reference

A507490

07/21/2005 10:30

BLCOMP

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

					-	v				
Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH50104 - EPA 5030 Water G	CMS								·	
Matrix Spike (AH50104-MS1)	Sou	rce: A507	490-01	Prepared:	07/29/05	Analyzed	l: 07/30/05			
Surrogate: Toluene-d8	22.3		n	25.0		89.2	86-141		····	
Batch AH50308 - EPA 5030 Water Ge	CMS									
Blank (AH50308-BLK1)				Prepared of	& Analyza	-d- 08/01/	าร			
TPH as Gasoline	ND	50	ug/i		2 1 11147 20	24. 00/01/0				
Surrogate: Toluene-d8	31.7	 	"	25.0		127	86-141			
LCS (AH50308-BS1)				Prepared &	& Analyze	d- 08/01/0	15			
TPH as Gasoline	203	50	ug/l	200	~ 1 Hidiy 20	102	75-126			
Surrogate: Toluene-d8	32.2		"	25.0		129	86-141			
LCS Dup (AH50308-BSD1)				Prepared &	& Analyze	d: 08/01/0	15			
TPH as Gasoline	199	50	ug/l	200		99.5	75-126	1.99	20	
Surrogate: Toluene-d8	31.6		"	25.0		126	86-141			
Matrix Spike (AH50308-MS1)	Sour	ce: A5075	71-02	Prepared &	z Analyze	d∙ 08/01/0	5			
TPH as Gasoline	213	50	ug/l	200	ND	101	32-166			
Surrogate: Toluene-d8	32.2		"	25.0		129	86-141			



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Page 6 of 9

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Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Client PO/Reference

A507490

07/21/2005 10:30

BLCOMP

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH50119 - EPA 5030 Wate	r GCMS									
Blank (AH50119-BLK1)				Prepared	& Analyze	-d- 07/29/	05			
Benzene	ND	0.30	ug/l	Tropurcu	cc 7 diaiyzc	Ju. 07/23/				
Toluene	ND	0.30	'n							
Ethylbenzene	ND	0.50	n							
Xylenes (total)	ND	0.50	"							
Surrogate: Bromofluorobenzene	33.9		<u>"</u>	25.0		136	78-138		-	
Surrogate: Dibromofluoromethane	19.0		n	25.0		76.0	71-136			
Surrogate: Toluene-d8	22.0		"	25.0		88.0	88-139			
LCS (AH50119-BS1)				Prepared &	er Analyssa					
Benzene	10.7	0.30	ug/l	10.0	x Allalyze	107				
Toluene	10.8	0.30	u _E /i	10.0		107	68-129 76-137			
Ethylbenzene	10.9	0.50	u	10.0		108	78-136			
Xylenes (total)	29.9	0.50	n	30.0		99.7	76-136 76-134			
Surrogate: Bromofluorobenzene	31.8	<u> </u>	"	25.0		127	78-138			
Surrogate: Dibromofluoromethane	17.1		"	25.0		68.4	71-136			S-GC
Surrogate: Toluene-d8	20.8		n	25.0		83.2	88-139			S-GC S-GC
LCS Dup (AH50119-BSD1)				Prepared &	Analyzac					0-00
Benzene	10.6	0.30	ug/l	10.0	e Allalyzec	106	68-129	0.939	25	
Toluene	11.0	0.30	"	10.0		110	76-137	1.83	25 25	
Ethylbenzene	11.2	0.50	**	10.0		112	78-13 <i>6</i>	2.71	25 25	
Xylenes (total)	31.0	0.50	и	30.0		103	76-136 76-134	3.61	25 25	
Surrogate: Bromofluorobenzene	32.5		"	25.0		130	78-138	J.01		
Surrogate: Dibromofluoromethane	17.1		n	25.0		68.4	71-136			0.00
Surrogate: Toluene-d8	21.0		,,	25.0						S-GC
-	41.0			23.0		84.0	88-139			S-GC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Melanideright

Melanie M. Wright For Sheri L. Speaks Project Manager

208 Mason St. Ukiah, California 95482

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CHEMICAL EXAMINATION REPORT

Page 7 of 9

BL Companies 830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Client PO/Reference

RPD

A507490

07/21/2005 10:30

BLCOMP

Volatile Organic Compounds by EPA Method 8260B - Quality Control Spike Source Analyte(s) Result POI %REC Result Linite

,(0)	Kesuit	FQL	Units	Level	resun	/orcec	Lilling	RPD	Limit	Flag
Batch AH50119 - EPA 5030 Water	r GCMS									
Matrix Spike (AH50119-MS1)	Soul	rce: A507	490-01	Prepared	& Analyze	ed: 07/29/	05			
Benzene	6.44	0.30	ug/l	10.0	ND	64.4	39-142	-		
Toluene	6.34	0.30	n	10.0	ND	63.4	44-148			
Ethylbenzene	5.88	0.50	11	10.0	ND	58.8	42-148			
Xylenes (total)	16.0	0.50	ir	30.0	ND	53.3	43-145			
Surrogate: Bromofluorobenzene	32.1		#	25.0		128	78-138			
Surrogate: Dibromofluoromethane	17.8		"	25.0		71.2	71-136			
Surrogate: Toluene-d8	21.5		n	25.0		86.0	88-139			S-G

Batch AH50310 - EPA 5030 Water	r GCMS						
Blank (AH50310-BLK1)				Prepared & A	nalyzed: 08/01	/05	
Benzene	ND	0.30	ug/l		200.00,01	703	
Toluene	ND	0.30	"				
Ethylbenzene	ND	0.50	11				
Xylenes (total)	ND	0.50	H				
Surrogate: Bromofluorobenzene	33.4		"	25.0	134	78-138	
Surrogate: Dibromofluoromethane	26.3		"	25.0	105	71-136	
Surrogate: Toluene-d8	31.7		"	25.0	127	88-139	
LCS (AH50310-BS1)				Prepared & Ai	nalvzed: 08/01.	/05	
Benzene	10.0	0.30	ug/l	10.0	100	68-129	
Toluene	11.0	0.30	11	10.0	110	76-137	
Ethylbenzene	10.7	0.50		10.0	107	78-136	
Xylenes (total)	29.6	0.50	n	30.0	98.7	76-134	
Surrogate: Bromofluorobenzene	32.4		n	25.0	130	78-138	
Surrogate: Dibromofluoromethane	24.8		"	25.0	99.2	71-136	
Surrogate: Toluene-d8	30.2		"	25.0	121	88-139	

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CHEMICAL EXAMINATION REPORT

Page 8 of 9

BL Companies 830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Client PO/Reference

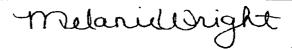
A507490

07/21/2005 10:30

BLCOMP

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH50310 - EPA 5030 Water	r GCMS									
LCS Dup (AH50310-BSD1)				Prepared	& Analyze	ed: 08/01/	05			
Benzene	10.1	0.30	ug/l	10.0		101	68-129	0.995	25	
Toluene	10.9	0.30	"	10.0		109	76-137	0.913	25	
Ethylbenzene	10.7	0.50	H	10.0		107	78-136	0.00	25	
Xylenes (total)	29.4	0.50	н	30.0		98.0	76-134	0.678	25	
Surrogate: Bromofluorobenzene	32.3		"	25.0		129	78-138			
Surrogate: Dibromofluoromethane	25.2		*	25.0		101	71-136			
Surrogate: Toluene-d8	30.6		•	25.0		122	88-139			
Matrix Spike (AH50310-MS1)	Sou	rce: A5075	571-01	Prepared a	& Analyze	d· 08/01/0	15			
Benzene	9.94	0.30	ug/l	10.0	ND	99.4	39-142		 -	
Toluene	10.8	0.30	"	10.0	ND	108	44-148			
Ethylbenzene	10.7	0.50	11	10.0	ND	107	42-148			
Xylenes (total)	29.4	0.50	n	30.0	ND	98.0	43-145			
Surrogate: Bromofluorobenzene	32.1		п	25.0		128	78-138			
Surrogate: Dibromofluoromethane	24.7		,	25.0		98.8	71-136			
Surrogate: Toluene-d8	29.7		n	25.0		119	88-139			





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CHEMICAL EXAMINATION REPORT

Page 9 of 9

BL Companies

830 Sir Thomas Court Harrisburg, PA 17109 Attn: Ken Yoder

Report Date: 08/04/05 10:06

Project No: 98L152 Project ID: Rite Aid

Order Number

Receipt Date/Time

Client Code

Client PO/Reference

A507490

07/21/2005 10:30

BLCOMP

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.

Analysis of this sample indicates the presence of hydrocarbons lower in molecular weight than diesel. D-07

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

PQL Practical Quantitation Limit



Work Order Chain of Custody Record

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Lab No 1507490

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ATTACHMENT 3

Table 1
Summary of Monitoring Well
Construction and Elevation Data

			TABLE 10 SUMMARY OF MONITORING WELL CONSTRUCTION AND GROUP RITE AID STORE NO. 6033 CITY OF UKIAH, MENDOCINO COUNTY, CALIFE	
Well No.	Total Depth (feet, bgs)	Relative TOC Elevation (feet)	Static Water Level (feet below TOC)	ORNIA Relative Ground Water Elevation (feet)
M)A/. 1	40		19-Sep-02 7-Oct-02 28-Jan-04 14-Apr-04 23-Jul-04	19-Sep-02 7-Oct-02 28-Jan-04 14-Apr-04 23-Jul-04

Well No.	Total Depth (feet, bgs)	Relative TOC Elevation (feet)	Static Water Level (feet below TOC)					Relative Ground Water Elevation (feet)					
			19-Sep-02	7-Oct-02	28-Jan-04	14-Apr-04	23-Jul-04	19-Sep-02	7-Oct-02	28-Jan-04		00 1 1 0 1	
MW-1	40	611.99	4.01	8.10	3.19	3.21	3.61	227.00			14-Apr-04	23-Jul-04	
MW-2	35	610.09	4.50			0.21	3.61	607.98	603.89	608.80	608.78	608.38	
	33	610.09	4.59	9.07	3.00	3.56	3.87	605.50	601.02	607.09	606.53	606.22	
MW-3	40	613.58	7.55	14.37	5.29	5.63	6.50			-51.100	000.55	000.22	
MW-4	30	044.05			0.20	5.05	6.58	606.03	599.21	608.29	607.95	607.00	
17177-4	30	611.25	5.17	10.21	2.91	3.43	4.70	606.08	601.04	608.34	607.82	000.55	
Notes:				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	EPA 1966 PARIS SARIO AND SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO SARIO S	en en en en en en en en en en en en en e				000.54	007.82	606.55	

TOC = Top of Casing
bgs = Below Ground Surface

ATTACHMENT 4

Tables 2 and 3
Results of Chemical Analyses
Performed on Ground Water Samples

TABLE 2 SUMMARY OF GROUND WATER SVOC ANALYSES RITE AID STORE NO. 6033 CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA 1-Methylnaphthalene Indeno(1,2,3,-c,d)pyrene 2-Methylnaphthalene Dibenzo(a,h)anthracene Benzo(b)fluoranthene Acenaphthylene Benzo(a)anthracene Benzo(k)fluoranthene Benzo(g,h,l)perylene Acenaphthene Sample Date Fluoranthene Phenanthrene ₽ Anthracene Benzo(a)pyrene Naphthalene Fluorene Sample Chrysene Pyrene 19-Sep-02 NA NA NA NA NA NA NA NΑ NA NA NA NΑ 7-Oct-02 NA NA NA ND NA ND ΝĀ ND NA ND ND ND ND ND ND ND ND ND MW-1 ND 28-Jan-04 ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND 14-Apr-04 ND ND ND ND ND ND ND ND ND ND ND NA ND ND ND ND NA ND ND 27-Jul-04 ND ND NA NA ND ND NA NA NA NA NA NA NA 19-Sep-02 NA 7-Oct-02 ND NA NA NA ND ND NA ΝĀ ND ND ND ND ND ND ND ND MW-2 ND ND ND 28-Jan-04 ND ND ND ND ND ND ND ND ND ND 0.75 1.4 3.7 ND ND ND ND 14-Apr-04 ND ND ND ND ND ND ND ND ND ND ND NA ND ND ND ND NA ND ND 27-Jul-04 ND ND NA ND NA ND NA NA NA NA NA NA NA NA NA NA 19-Sep-02 NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA 7-Oct-02 NA ND NA NA ND NA NΑ ND ND ND ND ND ND ND ND ND MW-3 ND ND ND 28-Jan-04 ND ND ND ND ND ND ND ND ND ND 4 4.2 13 ND ND ND ND ND 14-Apr-04 ND ND ND ND ND ND ND ND ND ND NA ND ND ND ND NA ND ND 23-Jul-04 ND ND NA NA ND ND NA NA NA NA NA NA NA NA NA 19-Sep-02 NA 7-Oct-02 NA NA ND ND NA NA ND 6 ND ND ND ND ND 20 4.5 MW-4 4.9 2.5 24-Jan-04 2.8 3.6 ND 9 ND ND 4.4 4.1 ND 8.1 ND 0.86 ND 0.77 3.2 ND ND ND ND 14-Apr-04 ND ND ND 10 ND ND ND ND 10 ND NA ND ND ND ND NA ND ND 23-Jul-04 ND ND NA ND NA ND NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA

Results reported in micrograms per liter (ug/l)

ND = Not Detected

NA = Not Analyzed

				R	F GROUN ITE AID S	TOREN	D. 6033	NALYSE ALIFORI				
Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	Tert-butyl alcohol	Di-isopropyl ether	Ethyl tert-butyl ether	Tert-amyl methyl ether	Methyl tert-butyl ether (MTBE)	TPH - Gasoline	TPH - Diesel
ĺ	19-Sep-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
MW-1	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	28-Jan-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	14-Apr-04	ND	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
	27-Jul-04	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	19-Sep-02	690	51	180	100	ND	ND	ND	ND	ND	3,700	NA
	7-Oct-02	160	14	47	38	ND	ND	ND	ND	ND	670	ND
MW-2	28-Jan-04	69	ND	38	12	ND	ND	ND	ND	ND	1,000	110
	14-Apr-04	180	30	69	45	ND	ND	ND	ND	ND	1,200	77
	27-Jul-04	76	17	130	95	NA	NA	NA	NA	NA	3,900	660
	19-Sep-02	23	ND	44	64	ND	ND	ND	ND	ND	2,300	NA
	7-Oct-02	6.5	ND	6.4	13	ND	ND	ND	ND	ND	800	610
MW-3	28-Jan-04	81	0.76	63	21	ND	ND	ND	ND	ND	1,700	230
	14-Apr-04	28	ND	38	21	ND	ND	ND	ND	ND	920	150
	23-Jul-04	14	ND	32	30	NA	NA	NA	NA	NA	1,800	1,600
	19-Sep-02	1.1	ND	ND	1.0	ND	ND	ND	ND	ND	750	NA
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500	3,400
MW-4	28-Jan-04	0.53	ND	ND	ND	ND	ND	ND	ND	ND	320	310
	14-Apr-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	350	520
	23-Jul-04 ported in micro	ND	ND	ND	ND	NA	NΑ	NA	NA	NA	ND	250

ND = Not Detected NA = Not Analyzed